



HOT-POURED ELASTIC TYPE JOINT AND CRACK SEALANT  
FOR CONCRETE AND ASPHALTIC PAVEMENTS MGS-91-12B

**1.0 DESCRIPTION.** This specification covers joint and crack sealants of the hot-poured type intended for use in sealing joints and cracks in portland cement concrete and asphaltic concrete pavements.

**2.0 MATERIALS.** The sealant shall be a single component material and conform to the requirements of AASHTO M 301, except as herein modified.

**2.1** The sealant shall be capable of being reheated to pouring temperatures at least once, after the initial heating, while retaining its physical characteristics.

**2.2 Physical Requirements.**

**2.2.1** Penetration (use 6 ounce can) at 77 F, 150 g, 5 sec. shall not exceed 90 or be less than 50.

**2.2.2** Resilience- when tested at 77 F, the recovery shall be a minimum of 50%.

**2.2.3** The sealant shall also meet all physical requirements after prolonged heating for six (6) hours with constant mixing in a laboratory melter at the recommended field pouring temperature, complete cool down, and reheating to the recommended pouring temperature.

**3.0 ACCEPTANCE.**

**3.1 Certification.** The supplier shall furnish to the engineer a manufacturer's certification with the following information for each lot of material furnished.

**3.1.1** Specific test results for penetration, flow, bond and resilience for each lot of material being furnished.

**3.1.2** The manufacturer shall certify that the material passes the asphalt compatibility requirement and is suitable for use as a sealant for concrete or asphalt pavement.

**3.1.3** The manufacturer shall certify that the material is capable of being reheated satisfactorily at least once and specifically designate any limits to the number of reheating times for the material, if necessary.

**3.2** Acceptance will be based on satisfactory manufacturer's certification and any tests performed by the engineer.

**4.0 PACKAGING AND MARKING.** The sealant shall be packaged and shipped in suitable commercial containers clearly marked with the name of the material, the name of the manufacturer, brand name, weight, batch number, recommended pouring temperature, and maximum safe heating temperature.